| L Number | Hits |  | DB                  | Time stamp       |
|----------|------|--|---------------------|------------------|
| 1        | 401  | (photoelectric or photedetector).ti,ab.  | USPAT;              | 2003/01/14 19:51 |
|          |      | and (tft or thin adj film adj  | US-PGPUB;           |                  |
|          |      | transistor).ti,ab.   | EPO; JPO;           |                  |
|          |      |  | DERWENT;            |                  |
| 2        | 31   | (photoelectric or photodetector).ti,ab.  | IBM_TDB<br>USPAT;   | 2003/01/14 19:52 |
|          | 31   | and (tft or thin adj film adj  | US-PGPUB;           | 2003/01/14 19.32 |
|          |      | transistor).ti,ab. and photoelectric adj                                       | EPO; JPO;           |                  |
|          |      | conversion adj layer   | DERWENT;            | İ                |
|          |      |  | IBM_TDB             | 1                |
| 3        | 43   | <b>,</b> , , , , , , , , , , , , , , , , , ,                                   | USPAT;              | 2003/01/14 20:32 |
|          |      | US-4811069-\$ or US-5914485-\$ or US-4341954-\$ or US-6239355-\$ or            | US-PGPUB;           |                  |
|          |      | US-4696022-\$ or US-5596198-\$ or  | JPO;<br>DERWENT     |                  |
|          |      | US-4740710-\$ or US-6127692-\$ or  | DERWENT             | 1                |
|          |      | US-5801385-\$ or US-5272548-\$ or  |                     | İ                |
|          |      | US-5233442-\$ or US-5060040-\$ or  |                     |                  |
| 1        |      | US-4926058-\$ or US-4745488-\$ or  |                     |                  |
| j        |      | US-5317406-\$ or US-6127684-\$ or  |                     |                  |
|          |      | US-5812284-\$ or US-5812109-\$ or  |                     | ]                |
|          |      | US-6034406-\$ or US-5841180-\$ or US-6191411-\$ or US-5767560-\$ or            |                     |                  |
| 1        |      | US-6245601-\$ or US-6075256-\$).did. or  |                     |                  |
| J        |      | (US-5591960-\$ or US-5591963-\$ or   |                     |                  |
|          |      | US-4703169-\$ or US-4980769-\$ or  |                     |                  |
|          |      | US-5352897-\$ or US-5335094-\$).did. or  |                     |                  |
| 1        |      | (US-20020186813-\$).did. or (JP-64000775-\$                                    |                     |                  |
|          |      | or JP-63144565-\$ or JP-62058674-\$ or   |                     |                  |
|          |      | JP-04154280-\$ or JP-03159483-\$ or JP-63250634-\$ or JP-11121783-\$ or        |                     |                  |
|          |      | JP-06233197-\$).did. or (JP-05335544-\$ or                                     |                     |                  |
|          |      | JP-11307756-\$).did.   |                     |                  |
| 4        | 7    | 1  | USPAT;              | 2003/01/14 20:33 |
|          |      | US-4811069-\$ or US-5914485-\$ or  | US-PGPUB;           |                  |
| ļ        |      | US-4341954-\$ or US-6239355-\$ or  | EPO; JPO;           | ·                |
|          |      | US-4696022-\$ or US-5596198-\$ or  | DERWENT;            |                  |
|          |      | US-4740710-\$ or US-6127692-\$ or<br>  US-5801385-\$ or US-5272548-\$ or       | IBM_TDB             |                  |
|          |      | US-5233442-\$ or US-5060040-\$ or  |                     |                  |
|          |      | US-4926058-\$ or US-4745488-\$ or  |                     |                  |
| i        |      | US-5317406-\$ or US-6127684-\$ or  |                     |                  |
|          |      | US-5812284-\$ or US-5812109-\$ or  |                     |                  |
|          |      | US-6034406-\$ or US-5841180-\$ or  |                     |                  |
|          |      | US-6191411-\$ or US-5767560-\$ or<br>  US-6245601-\$ or US-6075256-\$).did. or |                     |                  |
|          |      | (US-5591960-\$ or US-5591963-\$ or   |                     |                  |
|          |      | US-4703169-\$ or US-4980769-\$ or  |                     |                  |
|          |      | US-5352897-\$ or US-5335094-\$).did. or  |                     |                  |
|          |      | (US-20020186813-\$).did. or (JP-64000775-\$                                    |                     |                  |
|          |      | or JP-63144565-\$ or JP-62058674-\$ or   |                     |                  |
|          |      | JP-04154280-\$ or JP-03159483-\$ or JP-63250634-\$ or JP-11121783-\$ or        |                     |                  |
|          |      | JP-06233197-\$).did. or (JP-05335544-\$ or                                     |                     |                  |
| ļ        |      | JP-11307756-\$).did.) and endo.in.   |                     |                  |
| 5        | 103  | endo.in. and photoelectric.ti.   | USPAT;              | 2003/01/14 20:33 |
|          |      | -  | US-PGPUB;           |                  |
|          |      |  | EPO; JPO;           |                  |
|          |      |  | DERWENT;            |                  |
| _        | 3.0  | ands in and shotselestric ti and   | IBM_TDB             | 2003/01/14 20:46 |
| 6        | 26   | <pre>endo.in. and photoelectric.ti. and<br/>x-ray.ti,ab.</pre>                 | USPAT;<br>US-PGPUB; | 2003/01/14 20:46 |
| ,        | ļ    | n Lay.ci,ab.   | EPO; JPO;           |                  |
|          | .    |  | DERWENT;            |                  |
|          |      |  | IBM_TDB             |                  |
| 7        | 2    | jp-06029510\$-\$.did.  | USPĀT;              | 2003/01/14 20:47 |
| 1        |      |  | US-PGPUB;           |                  |
|          |      |  | EPO; JPO;           |                  |
|          |      |  | DERWENT;            |                  |
|          |      |  | IBM TDB             | i                |

| - | 0    | ("photoelectric adj convert\$3.clm.").PN.                                      | USPAT;<br>US-PGPUB;    | 2002/01/18 11:46   |
|---|------|--|------------------------|--------------------|
|   |      |  | EPO; JPO;              |                    |
|   |      |  | DERWENT;<br>IBM TDB    |                    |
| - | 1198 | photoelectric adj convert\$3.clm.  | USPAT;                 | 2002/01/17 08:51   |
|   |      |  | US-PGPUB;<br>EPO; JPO; |                    |
|   |      |  | DERWENT;               |                    |
|   |      | (-h-tltiti   | IBM_TDB                | 0000/01/17 00 40   |
| - | 29   | (photoelectric adj convert\$3.clm.) and electrode adj layer.clm.               | USPAT;<br>US-PGPUB;    | 2002/01/17 09:42   |
|   |      |  | EPO; JPO;              |                    |
|   |      |  | DERWENT;<br>IBM TDB    |                    |
| - | 6    | , (,p.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,                                       | USPAT;                 | 2002/01/17 09:57   |
|   |      | electrode adj layer.clm.) and switching.clm.                                   | US-PGPUB;<br>EPO; JPO; |                    |
|   |      | Switching. Cim.  | DERWENT;               |                    |
|   |      | (////  | IBM_TDB                | 0000 (01 (17 10 40 |
| - | 14   | (("6191411") or ("6127684") or ("6034406")<br>or ("5914485") or ("5841180") or | USPAT                  | 2002/01/17 10:40   |
|   |      | ("5812284") or ("5812109") or ("5335094")                                      |                        |                    |
|   |      | or ("5317406") or ("5233442") or ("5272548") or ("5060040") or ("4926058")     |                        |                    |
|   |      | or ("4745488")).PN.  |                        |                    |
| - | 41   | (("4341954") or ("6191411") or ("6127684")<br>or ("6034406") or ("5914485") or | USPAT;<br>US-PGPUB;    | 2002/01/17 13:39   |
|   |      | ("5841180") or ("5812284") or ("5812109")                                      | EPO; JPO;              |                    |
|   |      | or ("5335094") or ("5317406") or   | DERWENT;               |                    |
|   |      | ("5272548") or ("5233442") or ("5060040") or ("4926058") or ("4745488")).PN.   | IBM_TDB                |                    |
| - | 5    | ((("4341954") or ("6191411") or  | USPAT;                 | 2002/01/17 14:07   |
|   |      | ("6127684") or ("6034406") or ("5914485")<br>or ("5841180") or ("5812284") or  | US-PGPUB;<br>EPO; JPO; |                    |
|   |      | ("5812109") or ("5335094") or ("5317406")                                      | DERWENT;               |                    |
|   |      | or ("5272548") or ("5233442") or<br>("5060040") or ("4926058") or              | IBM_TDB                |                    |
|   |      | ("4745488")).PN.) and 257/\$6.ccls.  |                        |                    |
| - | 0    | ("photoelectric.ti. and system.ti. and converter.ti,ab.").PN.                  | USPAT;<br>US-PGPUB;    | 2002/01/17 14:10   |
|   |      | ,  | EPO; JPO;              |                    |
|   |      |  | DERWENT;<br>IBM TDB    |                    |
| - | 310  |  | USPĀT;                 | 2002/01/17 14:11   |
|   |      | converter.ti,ab.   | US-PGPUB;<br>EPO; JPO; |                    |
|   |      |  | DERWENT;               |                    |
| _ | 4    | photoelectric.ti. and system.ti. and   | IBM_TDB<br>USPAT;      | 2002/01/17 14:17   |
|   | 4    | converter.ti,ab. and switching and   | US-PGPUB;              | 2002/01/1/ 14:1/   |
|   |      | injection adj blocking   | EPO; JPO;              |                    |
|   |      |  | DERWENT;<br>IBM TDB    |                    |
| - | 357  | (257/414).CCLS.  | USPAT;                 | 2002/01/17 14:18   |
|   |      |  | US-PGPUB;<br>EPO; JPO; |                    |
|   |      |  | DERWENT;               |                    |
| _ | 1052 | (257/431).CCLS.  | IBM_TDB<br>USPAT;      | 2002/01/17 14:18   |
|   | 1002 | (20., 101, 10010.  | US-PGPUB;              | 2002,01,17 14.10   |
| - |      |  | EPO; JPO;<br>DERWENT;  |                    |
|   |      |  | IBM_TDB                |                    |
| - | 660  | (257/448).CCLS.  | USPAT;                 | 2002/01/17 14:18   |
|   |      |  | US-PGPUB;<br>EPO; JPO; |                    |
|   |      |  | DERWENT;               |                    |
|   |      |  | IBM_TDB                |                    |

| -    | 193 | (257/449).CCLS.  | USPAT;                | 2002/01/17 14:19   |
|------|-----|--|-----------------------|--------------------|
|      |     |  | US-PGPUB;             |                    |
|      |     |  | EPO; JPO;<br>DERWENT; |                    |
|      |     |  | IBM TDB               |                    |
| _    | 552 | (250/370.01).CCLS.   | USPAT;                | 2002/01/17 14:21   |
|      |     | ,  | US-PGPUB;             |                    |
|      |     |  | EPO; JPO;             |                    |
|      |     |  | DERWENT;              |                    |
|      |     | ("L11 or L12 or L13 or L14 or L15 or L16   | IBM_TDB<br>USPAT;     | 2002/01/17 14:21   |
| -    | 0   | or L17 or L18").PN.  | US-PGPUB;             | 2002/01/17 14.21   |
|      |     | or hit or his time.  | EPO; JPO;             |                    |
|      |     |  | DERWENT;              |                    |
|      |     |  | IBM_TDB               |                    |
| -    | 427 | ((("257/414").CCLS.) or  | USPAT; JPO            | 2002/01/17 14:23   |
|      |     | (("257/428").CCLS.) or (("257/431").CCLS.)                                       |                       |                    |
|      |     | or (("257/434").CCLS.) or<br>(("257/444").CCLS.) or (("257/448").CCLS.)          |                       |                    |
|      |     | or (("257/444").CCLS.) or  |                       |                    |
|      |     | (("250/370.01").CCLS.)) and  |                       |                    |
|      |     | photoelectric.ti,ab.   |                       |                    |
| -    | 13  | ,,,, == -, -= - , -=   | USPAT; JPO            | 2002/01/17 14:23   |
|      |     | (("257/428").CCLS.) or (("257/431").CCLS.)                                       |                       |                    |
|      |     | or (("257/434").CCLS.) or<br>(("257/444").CCLS.) or (("257/448").CCLS.)          |                       |                    |
|      |     | or (("257/444").CCLS.) or (("257/446").CCLS.)                                    |                       |                    |
|      |     | (("250/370.01").CCLS.)) and  |                       |                    |
|      |     | photoelectric.ti,ab.) and blocking adj2  |                       |                    |
|      | _   | layer  |                       | 0000 (01 (17 14 20 |
| -    | 5   | ((insulating or insulator) near10 blocking) near10 layer and ((("4341954")       | USPAT;<br>US-PGPUB;   | 2002/01/17 14:32   |
|      |     | or ("6191411") or ("6127684") or   | EPO; JPO;             |                    |
|      |     | ("6034406") or ("5914485") or ("5841180")  | DERWENT;              |                    |
|      |     | or ("5812284") or ("5812109") or   | IBM_TDB               |                    |
|      |     | ("5335094") or ("5317406") or ("5272548")  | _                     |                    |
|      |     | or ("5233442") or ("5060040") or   |                       |                    |
|      |     | ("4926058") or ("4745488") or ("6245601")<br>or ("6075256") or ("5767560") or    |                       |                    |
|      |     | ("5352921") or ("5101255") or  |                       |                    |
|      |     | ("4811069")).PN.)  |                       |                    |
| -    | 44  | (("4341954") or ("6191411") or ("6127684")                                       | USPAT;                | 2002/01/17 14:43   |
|      |     | or ("6034406") or ("5914485") or   | JPO;                  |                    |
|      |     | ("5841180") or ("5812284") or ("5812109")  | DERWENT;              |                    |
|      |     | or ("5335094") or ("5317406") or ("5272548") or ("5233442") or ("5060040")       | IBM_TDB               |                    |
|      |     | or ("4926058") or ("4745488") or   |                       |                    |
|      |     | ("6245601") or ("6075256") or ("5767560")  |                       |                    |
|      |     | or ("5352921") or ("5101255") or   |                       |                    |
|      | 0.3 | ("4811069")).PN.   | USPAT; JPO            | 2002/01/17 15:58   |
| 1-   | 93  | (((("257/414").CCLS.) or<br>(("257/428").CCLS.) or (("257/431").CCLS.)           | USFAI; JPU            | 2002/01/17 13:38   |
|      |     | or (("257/434").CCLS.) or  |                       |                    |
|      |     | (("257/444").CCLS.) or (("257/448").CCLS.)                                       |                       |                    |
|      |     | or (("257/449").CCLS.) or  |                       |                    |
|      |     | (("250/370.01").CCLS.)) and  |                       |                    |
| 1_   | 78  | photoelectric.ti,ab.) and lamin\$5<br>schottky adj barrier and photoelectric adj | USPAT; JPO            | 2002/01/17 16:00   |
| -    | /8  | conver\$4.ti,ab.   | JULIAI, UEU           | 2002/01/1/ 10.00   |
| -    | 11  | schottky adj barrier and photoelectric adj                                       | USPAT; JPO            | 2002/01/17 16:17   |
|      |     | conver\$4.ti,ab. and blocking  |                       |                    |
| -  - | 1   | switching and (idling or recess\$2) and  | USPAT; JPO            | 2002/01/17 16:20   |
|      |     | refresh\$3 and (photoelectric or photo-electric) adj2 conver\$3                  |                       |                    |
| _    | 613 | switch\$3 and photoelectric adj2   | USPAT; JPO            | 2002/01/17 16:21   |
| . [  |     | conver\$3.ti,ab.   |                       |                    |
| -    | 99  | switch\$3 and photoelectric adj2   | USPAT; JPO            | 2002/01/17 16:24   |
|      |     | conver\$3.ti,ab. and (250/\$6.ccls. or   |                       |                    |
|      |     | 257/\$6.ccls.)   |                       |                    |

| -   | 50 |  | USPAT; JPO                             | 2002/01/17 16:29 |
|-----|----|--|--|------------------|
|     |    | conver\$3.ti,ab. and (refresh\$3 or reset\$4   |  |                  |
|     | ]  | or idl\$3 or stop\$4) and (250/\$6.ccls. or  |  |                  |
|     | 1  | 257/\$6.ccls.)   | HCDAM. TOO                             | 2002/01/17 16:30 |
| _   | 33 | photoelectric adj2 conver\$3.ti,ab. and ((refresh\$3 or reset\$4 or idl\$3 or stop\$4) | USPAT; JPO                             | 2002/01/17 16:30 |
|     |    | same switch\$3) and (250/\$6.ccls. or  |  |                  |
|     |    | 257/\$6.ccls.)   |  |                  |
| l _ | 3  | I  | USPAT; JPO                             | 2002/01/17 16:37 |
|     |    | ((refresh\$3 or reset\$4) same switch\$3 same  | 001, 010                               |                  |
|     |    | (stop\$4 or idl\$3)) and (250/\$6.ccls. or   |  |                  |
|     |    | 257/\$6.ccls.)   |  |                  |
| _   | 1  | photoelectric adj2 conver\$3.ti,ab. and  | USPAT; JPO                             | 2002/01/17 16:49 |
|     |    | ((refresh\$3 or reset\$4) near15 switch\$3   |  |                  |
|     |    | near15 (stop\$4 or idl\$3)) and  |  |                  |
|     |    | (250/\$6.ccls. or 257/\$6.ccls.)   |  |                  |
| -   | 5  |  | USPAT;                                 | 2002/01/17 17:21 |
|     |    | ((refresh\$3 or reset\$4) near15 switch\$3   | US-PGPUB;                              |                  |
|     |    | near15 (stop\$4 or idl\$3))  | EPO; JPO;                              |                  |
|     |    |  | DERWENT;                               |                  |
|     |    |  | IBM_TDB                                | 0000/01/17 17:00 |
| -   | 2  | jp-06233197\$-\$.did.  | USPAT;                                 | 2002/01/17 17:22 |
|     |    |  | US-PGPUB;<br>EPO; JPO;                 |                  |
|     |    |  | DERWENT;                               |                  |
|     |    |  | IBM TDB                                |                  |
| _   | 5  | ((("257/414").CCLS.) or  | USPAT; JPO                             | 2002/01/17 17:51 |
| 1   |    | (("257/428").CCLS.) or (("257/431").CCLS.)   | 001111, 0110                           | 2002, 02, 21     |
|     |    | or (("257/434").CCLS.) or  |  |                  |
|     |    | (("257/444").CCLS.) or (("257/448").CCLS.)   |  |                  |
|     |    | or (("257/449").CCLS.) or  |  |                  |
|     |    | (("250/370.01").CCLS.)) and (reverse   |  |                  |
|     | 1  | near10 voltage) and photoelectric adj2   |  |                  |
| İ   |    | converter  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 2002/01/17 17:51 |
| -   | 0  | ((("257/414").CCLS.) or<br>(("257/428").CCLS.) or (("257/431").CCLS.)                  | USPAT; JPO                             | 2002/01/17 17:51 |
|     |    | or (("257/428").CCLS.) or (("257/431").CCLS.)  |  |                  |
|     |    | (("257/444").CCLS.) or (("257/448").CCLS.)   |  |                  |
|     |    | or (("257/449").CCLS.) or  |  |                  |
|     |    | (("250/370.01").CCLS.)) and ((reverse  |  |                  |
|     |    | near12 voltage) near12 switch\$3) and  |  |                  |
|     |    | photoelectric adj2 converter   |  |                  |
| -   | 0  | ((("257/414").CCLS.) or  | USPAT; JPO                             | 2002/01/17 17:52 |
|     |    | (("257/428").CCLS.) or (("257/431").CCLS.)   |  |                  |
|     |    | or (("257/434").CCLS.) or  |  |                  |
|     |    | (("257/444").CCLS.) or (("257/448").CCLS.)   |  |                  |
|     |    | or (("257/449").CCLS.) or (("250/370.01").CCLS.)) and ((reverse                        |  |                  |
|     |    | near15 voltage) near15 switch\$3) and  |  |                  |
|     |    | photoelectric adj2 converter   |  |                  |
| -   | 0  | 1 =  | USPAT; JPO                             | 2002/01/17 17:53 |
|     |    | (("257/428").CCLS.) or (("257/431").CCLS.)   |  |                  |
|     |    | or (("257/434").CCLS.) or  |  |                  |
|     |    | (("257/444").CCLS.) or (("257/448").CCLS.)   |  |                  |
|     |    | or (("257/449").CCLS.) or  |  |                  |
|     | 1  | (("250/370.01").CCLS.)) and ((reverse  |  |                  |
|     |    | near15 (polarity or voltage)) near15   |  |                  |
|     |    | switch\$3) and photoelectric adj2 converter  | HCDAM: TDA                             | 2002/01/17 17:52 |
| -   | 0  | ((("257/414").CCLS.) or<br>(("257/428").CCLS.) or (("257/431").CCLS.)                  | USPAT; JPO                             | 2002/01/17 17:53 |
|     |    | or (("257/428").CCLS.) or (("257/431").CCLS.)  |  |                  |
|     |    | (("257/444").CCLS.) or (("257/448").CCLS.)   |  |                  |
| Ī   |    | or (("257/449").CCLS.) or  |  |                  |
|     |    | (("250/370.01").CCLS.)) and ((reverse  |  |                  |
|     |    | near15 (polarity or voltage or bias))  |  |                  |
| 1   |    | near15 switch\$3) and photoelectric adj2   | :                                      |                  |
|     |    | converter  |  | •                |

| -  | 23   |   | USPAT;                 | 2002/01/18 11:52 |
|----|------|---|------------------------|------------------|
|    |      | conver\$3.clm.  | US-PGPUB;<br>EPO; JPO; |                  |
|    |      |   | DERWENT;               |                  |
| 1  |      |   | IBM_TDB                | 0000/01/10 11 54 |
| -  | 2    | plurality adj2 photoelectric adj<br>conver\$3.clm. and switch\$3.clm.                             | USPAT;<br>US-PGPUB;    | 2002/01/18 11:54 |
|    |      | Convergs.cim. and switches.cim.   | EPO; JPO;              |                  |
|    |      |   | DERWENT;               |                  |
| 1_ | 2    | nlurality adi2 photoploctric adi  | IBM_TDB<br>USPAT;      | 2002/01/18 11:54 |
| -  | 2    | plurality adj2 photoelectric adj<br>conver\$3.clm. and switch\$3.clm. and                         | US-PGPUB;              | 2002/01/16 11:34 |
|    |      | switch\$3 and conver\$3   | EPO; JPO;              |                  |
|    |      |   | DERWENT;               |                  |
| _  | 3419 | (("257/414").CCLS.) or (("257/428").CCLS.)  | IBM_TDB<br>USPAT; JPO  | 2002/01/18 13:30 |
|    | 3413 | or (("257/431").CCLS.) or   | OSTAT, OTO             | 2002/01/10 13.30 |
|    |      | (("257/434").CCLS.) or (("257/444").CCLS.)  |                        |                  |
|    |      | or (("257/448").CCLS.) or<br>(("257/449").CCLS.) or   |                        |                  |
|    |      | (("250/370.01").CCLS.)  |                        |                  |
| -  | 0    | ((("257/414").CCLS.) or   | USPAT; JPO             | 2002/01/18 13:34 |
|    |      | (("257/428").CCLS.) or (("257/431").CCLS.)  |                        |                  |
|    |      | or (("257/434").CCLS.) or (("257/448").CCLS.)   |                        |                  |
|    |      | or (("257/449").CCLS.) or   |                        |                  |
|    |      | (("250/370.01").CCLS.)) and plurality adj2  |                        |                  |
| İ  |      | photoelectric adj2 conver\$3 and switch\$3 and (matrix or matrices)                               |                        |                  |
| -  | 0    | ((("257/414").CCLS.) or   | USPAT; JPO             | 2002/01/18 13:35 |
|    |      | (("257/428").CCLS.) or (("257/431").CCLS.)  |                        |                  |
|    |      | or (("257/434").CCLS.) or (("257/444").CCLS.)   |                        |                  |
|    |      | or (("257/444").CCLS.) or   |                        |                  |
|    |      | (("250/370.01").CCLS.)) and plurality adj2  |                        |                  |
|    | 21   | photoelectric adj2 conver\$3 and switch\$3  |                        | 0000/01/10 14 03 |
| _  | 21   | plurality adj2 photoelectric adj2 conver\$3 and switch\$3   | USPAT;<br>US-PGPUB;    | 2002/01/18 14:23 |
|    |      |   | EPO; JPO;              |                  |
|    |      |   | DERWENT;               |                  |
| _  | 5    | (plurality adj2 photoelectric adj2  | IBM_TDB<br>USPAT;      | 2002/01/18 15:01 |
|    |      | conver\$3 and switch\$3) and (common with   | US-PGPUB;              | 2002/01/10 13.01 |
|    |      | electrode)  | EPO; JPO;              |                  |
|    |      |   | DERWENT;<br>IBM TDB    |                  |
| _  | 0    | photoelectric adj converter.ti,ab. and  | USPAT;                 | 2002/01/18 15:04 |
|    |      | signal adj process\$3 and signal adj  | US-PGPUB;              |                  |
|    |      | (acquisition or recorder or recording) and signal adj display                                     | EPO; JPO;<br>DERWENT;  |                  |
|    |      | orginal and arobing   | IBM TDB                |                  |
| -  | 0    | (photodiode or photoelectric adj  | USPĀT;                 | 2002/01/18 15:05 |
|    |      | converter).ti,ab. and signal adj process\$3 and signal adj (acquisition or recorder or            | US-PGPUB;              |                  |
|    |      | recording) and signal adj display   | EPO; JPO;<br>DERWENT;  |                  |
|    |      |   | IBM TDB                |                  |
| -  | 177  | ,,  | USPĀT;                 | 2002/01/18 15:06 |
|    |      | <pre>converter).ti,ab. and signal and process\$3 and (acquisition or recorder or recording)</pre> | US-PGPUB;<br>EPO; JPO; |                  |
|    |      | and display   | DERWENT;               |                  |
|    |      |   | IBM_TDB                | 0000/04/55 55    |
|    | 25   | <pre>(photodiode or photoelectric adj<br/>converter).ti,ab. and (signal same</pre>                | USPAT;<br>US-PGPUB;    | 2002/01/18 15:08 |
|    |      | (processing or processor) same  | EPO; JPO;              |                  |
|    |      | (acquisition or recorder or recording)  | DERWENT;               |                  |
| Ì_ | 7    | same display)   | IBM_TDB                | 2002/01/10 12 42 |
| -  | '    | (photodiode or photoelectric adj<br>converter).ti,ab. and (signal with                            | USPAT;<br>US-PGPUB;    | 2002/01/18 17:40 |
|    |      | (processing or processor) with  | EPO; JPO;              |                  |
|    |      | (acquisition or recorder or recording)  | DERWENT;               |                  |
|    |      | with display)   | IBM TDB                |                  |

| -   | 1    | 6277665.pn.   | USPAT;                | 2002/01/18 17:55 |
|-----|------|---|-----------------------|------------------|
|     |      |   | US-PGPUB;             |                  |
|     |      |   | EPO; JPO;             |                  |
|     |      |   | DERWENT;              |                  |
|     |      | 5501062   | IBM_TDB               | 2002/01/10 12.52 |
| -   | 4    | 5591963.pn.   | USPAT;                | 2002/01/19 13:53 |
|     | i    |   | US-PGPUB;             |                  |
|     | 1    |   | EPO; JPO;<br>DERWENT; |                  |
|     |      |   | IBM TDB               |                  |
| _   | 3548 | (("257/414").CCLS.) or (("257/428").CCLS.)                                  | USPAT;                | 2002/01/19 16:17 |
|     | 3340 | or (("257/431").CCLS.) or   | US-PGPUB;             | 2002/01/15 10:17 |
|     |      | (("257/434").CCLS.) or (("257/444").CCLS.)                                  | EPO; JPO;             |                  |
|     |      | or (("257/448").CCLS.) or   | DERWENT;              |                  |
|     |      | (("257/449").CCLS.) or  | IBM TDB               |                  |
|     |      | (("250/370.01").CCLS.)  | -                     |                  |
| _   | 0    | ((("257/414").CCLS.) or   | USPAT;                | 2002/01/19 15:36 |
|     |      | (("257/428").CCLS.) or (("257/431").CCLS.)                                  | US-PGPUB;             |                  |
|     |      | or (("257/434").CCLS.) or   | EPO; JPO;             |                  |
|     | 1    | (("257/444").CCLS.) or (("257/448").CCLS.)                                  | DERWENT;              |                  |
|     |      | or (("257/449").CCLS.) or   | IBM_TDB               |                  |
|     |      | (("250/370.01").CCLS.)) and (phosphor same                                  |                       |                  |
|     |      | wavelength adj conversion) and  | 1                     |                  |
|     |      | photoelectric adj conver\$3.ti,ab.  |                       |                  |
| -   | 5    | 1 ( ( ) )   | USPAT;                | 2002/01/19 15:38 |
| 1   |      | (("257/428").CCLS.) or (("257/431").CCLS.)                                  | US-PGPUB;             |                  |
|     |      | or (("257/434").CCLS.) or   | EPO; JPO;             |                  |
|     |      | (("257/444").CCLS.) or (("257/448").CCLS.)                                  | DERWENT;              |                  |
|     |      | or (("257/449").CCLS.) or   | IBM_TDB               |                  |
|     |      | (("250/370.01").CCLS.)) and phosphor and photoelectric adj conver\$3.ti,ab. |                       |                  |
| _   | 45   |   | USPAT;                | 2002/01/19 15:41 |
| -   | 4.5  | same wavelength adj conversion  | US-PGPUB;             | 2002/01/19 15.41 |
|     |      | Same wavelength adj conversion  | EPO; JPO;             |                  |
|     |      |   | DERWENT;              |                  |
|     |      |   | IBM TDB               |                  |
| -   | 0    | ((("257/414").CCLS.) or   | USPAT;                | 2002/01/19 15:42 |
|     |      | (("257/428").CCLS.) or (("257/431").CCLS.)                                  | US-PGPUB;             |                  |
|     |      | or (("257/434").CCLS.) or   | EPO; JPO;             |                  |
|     |      | (("257/444").CCLS.) or (("257/448").CCLS.)                                  | DERWENT;              |                  |
|     |      | or (("257/449").CCLS.) or   | IBM_TDB               |                  |
|     |      | (("250/370.01").CCLS.)) and (photoelectric                                  |                       |                  |
|     |      | adj2 element or photodiode) same  |                       |                  |
|     |      | wavelength adj conversion   |                       |                  |
| _   | 59   | 'FF   | USPAT;                | 2002/01/19 15:43 |
|     |      | adj conversion  | US-PGPUB;             |                  |
|     |      |   | EPO; JPO;             |                  |
|     |      |   | DERWENT;<br>IBM TDB   |                  |
| l _ | 10   | (phosphorous or phosphor) same wavelength                                   | USPAT;                | 2002/01/19 15:43 |
|     |      | adj conversion same (photodiode or  | US-PGPUB;             | 2002/01/17 13.43 |
|     |      | photoelectric)  | EPO; JPO;             |                  |
|     |      |   | DERWENT;              |                  |
|     |      |   | IBM TDB               |                  |
| -   | 1    | (phosphorous or phosphor) same wavelength                                   | USPAT;                | 2002/01/19 15:43 |
|     |      | adj conversion same (photodiode or  | US-PGPUB;             |                  |
|     |      | photoelectric).ti,ab.   | EPO; JPO;             |                  |
|     |      | · · · ·   | DERWENT;              |                  |
|     |      |   | IBM_TDB               |                  |
| -   | 530  | (250/370.09).CCLS.  | USPAT;                | 2002/01/19 16:18 |
|     |      |   | US-PGPUB;             |                  |
|     |      |   | EPO; JPO;             |                  |
|     |      |   | DERWENT;              |                  |
|     |      |   | IBM_TDB               |                  |
| -   | 0    | ("L10 and idling adj mode").PN.   | USPAT;                | 2002/01/19 16:18 |
| i   |      |   | US-PGPUB;             |                  |
|     |      |   | EPO; JPO;             |                  |
|     |      |   | DERWENT;              |                  |
|     |      |   | IBM_TDB               |                  |

| -        | 0      | (("250/370.09").CCLS.) and idling adj mode  | USPAT;<br>US-PGPUB;<br>EPO; JPO;                        | 2002/01/19 16:19                     |
|----------|--------|---|---|--------------------------------------|
|          |        |   | DERWENT;<br>IBM TDB                                     |                                      |
| -        | 34     | (("250/370.09").CCLS.) and photoelectric and carrier  | USPAT;<br>US-PGPUB;<br>EPO; JPO;                        | 2002/01/19 16:19                     |
|          |        |   | DERWENT;<br>IBM_TDB                                     |                                      |
| -        | 14     | (("250/370.09").CCLS.) and photoelectric and carrier and (potential same electrode)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;                        | 2002/01/19 16:20                     |
|          | 10     | //#250/270 00#N 00X0 N and nhaharlank //  | DERWENT;<br>IBM_TDB                                     | 0000 (00 (00 00                      |
|          |        | (("250/370.09").CCLS.) and photoelectric and carrier and (potential same electrode) and switch\$3   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;            | 2002/01/19 16:20                     |
| -        | 80     | or ("5914485") or ("5841180") or ("5767560") or ("5352921") or ("5352897")  | IBM_TDB<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;             | 2002/01/19 16:39                     |
|          | 1      | or ("5101255") or ("4811069") or ("6191411") or ("6034406") or ("6127684") or ("5272548") or ("4341954") or ("5812284") or ("5812109") or ("5335094") | DERWENT;<br>IBM_TDB                                     |                                      |
|          |        | or ("5317406") or ("5233442") or ("5060040") or ("4926058") or ("4745488") or ("5591960") or ("4980769") or ("4703169") or ("4740710") or ("5596198") |   |                                      |
|          |        | or ("4696022")).PN.   |   |                                      |
| _        | 8361   | , ,   | DERWENT<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT; | 2002/01/19 17:02<br>2002/01/19 17:03 |
| -        | 2188   | matsushita and image and recording  | IBM_TDB<br>DERWENT                                      | 2002/01/19 17:03                     |
| -        | 37     | matsushita and image and recording and stop   | DERWENT   | 2002/01/19 17:03                     |
| _        | 11     | matsushita and image and recording and stop and switch\$3   | DERWENT   | 2002/01/19 17:08                     |
| _        | 1<br>1 | 4703169.pn.<br>4703169.pn.  | DERWENT<br>USPAT  | 2002/01/19 17:09<br>2002/01/19 17:09 |
| -        | 1      | 4179100.pn.   | USPAT   | 2002/01/19 17:15                     |
| _        | 416    | (257/414).CCLS.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;                        | 2002/08/30 15:35                     |
|          | 269    | (257/428).CCLS.   | DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;             | 2002/08/30 15:35                     |
| _        | 508    | (257/434).CCLS.   | DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;             | 2002/08/30 15:36                     |
| <u>-</u> | 184    | (257/444).CCLS.   | DERWENT; IBM_TDB USPAT; US-PGPUB;                       | 2002/08/30 15:37                     |
| -        | 1109   | (257/431).CCLS.   | EPO; JPO;<br>DERWENT;<br>IBM_TDB<br>USPAT;              | 2002/08/30 15:37                     |
|          |        |   | US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB           | 10.00                                |

|    |      | Localina                                   |                        |                  |
|----|------|--|------------------------|------------------|
| -  | 675  | (257/448).CCLS.                            | USPAT;                 | 2002/08/30 15:37 |
|    |      |  | US-PGPUB;              | 1                |
|    |      |  | EPO; JPO;              |                  |
|    |      |  | DERWENT;               |                  |
| _  | 203  | (257/449).CCLS.                            | IBM_TDB                | 2000/00/20 15 05 |
|    | 203  | (237/449).CCLS.                            | USPAT;                 | 2002/08/30 15:37 |
|    |      |  | US-PGPUB;              |                  |
|    |      |  | EPO; JPO;              |                  |
|    |      |  | DERWENT;               |                  |
| 1_ | 573  | (250/370.01).CCLS.                         | IBM_TDB<br>USPAT;      | 2002/00/20 15 27 |
|    | 1    | (230)370.01).0013.                         |                        | 2002/08/30 15:37 |
|    | 1    |  | US-PGPUB;<br>EPO; JPO; |                  |
|    |      |  | DERWENT;               |                  |
|    | Ì    |  | IBM TDB                |                  |
| -  | 595  | (250/370.09).CCLS.                         | USPAT;                 | 2002/08/30 15:37 |
|    |      | (455,675,6525)                             | US-PGPUB;              | 2002/08/30 13:37 |
|    | j    |  | EPO; JPO;              |                  |
|    |      |  | DERWENT;               |                  |
|    |      |  | IBM TDB                | ļ                |
| -  | 4282 | ((257/414).CCLS.) or ((257/428).CCLS.) or  | USPAT;                 | 2002/08/30 15:38 |
|    |      | ((257/434).CCLS.) or ((257/444).CCLS.) or  | US-PGPUB;              | 2002/00/30 13.30 |
|    |      | ((257/431).CCLS.) or ((257/448).CCLS.) or  | EPO; JPO;              |                  |
|    |      | ((257/449).CCLS.) or ((250/370.01).CCLS.)  | DERWENT;               |                  |
|    |      | or ((250/370.09).CCLS.)                    | IBM TDB                |                  |
| -  | 298  |  | USPAT;                 | 2002/08/30 15:39 |
|    |      | ((257/434).CCLS.) or ((257/444).CCLS.) or  | US-PGPUB;              | 2002/00/30 13:33 |
|    |      | ((257/431).CCLS.) or ((257/448).CCLS.) or  | EPO; JPO;              | İ                |
|    |      | ((257/449).CCLS.) or ((250/370.01).CCLS.)  | DERWENT;               |                  |
|    |      | or ((250/370.09).CCLS.)) and photoelectric | IBM TDB                |                  |
|    |      | near2 conversion.ti,ab.                    |                        |                  |
| -  | 14   |  | USPAT;                 | 2002/08/30 18:51 |
|    |      | or ((257/434).CCLS.) or ((257/444).CCLS.)  | US-PGPUB;              |                  |
|    | Ì    | or ((257/431).CCLS.) or ((257/448).CCLS.)  | EPO; JPO;              |                  |
|    |      | or ((257/449).CCLS.) or                    | DERWENT;               |                  |
|    | İ    | ((250/370.01).CCLS.) or                    | IBM TDB                |                  |
|    |      | ((250/370.09).CCLS.)) and photoelectric    | _                      |                  |
|    |      | near2 conversion.ti,ab.) and blocking adj  |                        |                  |
| 1  |      | layer                                      |                        |                  |
| -  | 3    | ("5591963").PN.                            | USPAT;                 | 2002/08/30 18:51 |
|    |      |  | US-PGPUB;              |                  |
|    |      |  | EPO; JPO;              |                  |
|    |      |  | DERWENT;               |                  |
|    |      |  | IBM_TDB                |                  |
| -  | 2    | takeuchi.in. and x-ray and visible and     | JPO_                   | 2002/08/30 19:13 |
|    | _    | photoelectric                              |                        |                  |
| _  | 1    | jp-62250634\$-\$.did.                      | JPO                    | 2002/08/30 19:13 |
| _  | 1    | jp-63250634\$-\$.did.                      | JPO                    | 2002/08/30 19:13 |
| _  | 292  | injection adj blocking adj layer           | USPAT;                 | 2003/01/14 09:45 |
|    | ]    |  | US-PGPUB;              |                  |
|    |      |  | EPO; JPO;              |                  |
|    | ]    |  | DERWENT;               |                  |
| _  |      | injustion add blacking add laws at         | IBM_TDB                | 0000/00/04 55 55 |
| _  | 2    | injection adj blocking adj layer and       | USPAT;                 | 2003/01/14 10:49 |
|    | i    | photodetector.ti,ab.                       | US-PGPUB;              |                  |
|    | ]    |  | EPO; JPO;              |                  |
|    | [    |  | DERWENT;               |                  |
| _  | ]    | inionting and blocking and the con-        | IBM_TDB                | 0000/01/11       |
| _  | 39   | injection adj blocking adj (layer or film) | USPAT;                 | 2003/01/14 15:16 |
|    |      | and (photodetector or photoelectric adj    | US-PGPUB;              |                  |
|    |      | conversion).ti,ab.                         | EPO; JPO;              |                  |
| -  |      |  | DERWENT;               |                  |
| _  | 16   | blocking add layer nears (alastres         | IBM TDB                | 2002/01/14 15 12 |
|    | 10   | blocking adj layer near6 (electron near6   | USPAT;                 | 2003/01/14 15:19 |
| _  |      | hole) and (photoelectric or                | US-PGPUB;              |                  |
| •  |      | photodetector).ti,ab.                      | EPO; JPO;              |                  |
|    |      |  | DERWENT;               |                  |
|    |      |  | IBM TDB                |                  |

| - | 28       | (   | USPAT;    | 2003/01/14 15:49 |
|---|----------|---|-----------|------------------|
|   | 1        | hole) and (photoelectric or               | US-PGPUB; |                  |
|   |          | photodetector).ti,ab.                     | EPO; JPO; | 1                |
|   |          |   | DERWENT;  |                  |
|   |          |   | IBM TDB   |                  |
| - | 0        | charge adj blocking adj layer near12      | USPĀT;    | 2003/01/14 15:51 |
|   |          | (electron near3 hole) and (photoelectric  | US-PGPUB; |                  |
|   |          | or photodetector).ti,ab.                  | EPO; JPO; |                  |
|   |          |   | DERWENT;  |                  |
|   | ]        |   | IBM_TDB   |                  |
| - | 18       | blocking adj layer near12 (electron near3 | USPAT;    | 2003/01/14 19:50 |
|   |          | hole) and (photoelectric or               | US-PGPUB; |                  |
|   |          | photodetector).ti,ab.                     | EPO; JPO; |                  |
|   |          |   | DERWENT;  |                  |
|   | <u> </u> |   | IBM TDB   |                  |